

Using `dbreorg.pl` prior to upgrading to HP Output Server, Version 3.4.1

This technical note updates the steps to perform if one of the following conditions occurs after running `dbreorg.pl` on an HP Output Server 3.3 delivery server on a UNIX host:

- `dbreorg.pl` fails
- the delivery server fails to start

HP Output Server 3.4.1 replaces its proprietary database from previous HP Output Server versions with MySQL for HP Output Management. During an upgrade, the setup program runs a data migration utility to migrate data from the HP Output Server 3.3 AIM, CM, DLM, EM, JQM, and PM databases to the MySQL database. In the *Installation and Configuration Guide* for HP Output Server 3.4.1, HP recommends that system administrators run the `dbreorg.pl` script on these servers in their HP Output Server 3.3 installation prior to performing an upgrade. The *Installation and Configuration Guide* instructs system administrators to contact Customer Support if they have not previously used `dbreorg.pl` successfully.

The `dbreorg.pl` script reorganizes databases in HP Output Server 3.3. The script is located in `installDir/unsupported/tools` in an HP Output Server 3.3 installation, where `installDir` is the path where HP Output Server is installed. Instructions for using `dbreorg.pl` are located in “Chapter 3” and “Appendix A” of the *Maintaining and Troubleshooting Guide* for HP Output Server, Version 3.2. More information about using `dbreorg.pl` is also located in an HP Output Server 3.3 installation at `installDir/unsupported/tools/dbreorg.txt`.

The instructions in “Appendix A” of the *Maintaining and Troubleshooting Guide* are specific to reorganizing a delivery server database and include instructions for renaming and recreating a new database directory and files for the server (by restarting the server) if the database reorganization does not complete successfully. The instructions for renaming and restarting the server on a UNIX host are not clear and can result in the user deleting the new database while the server is running. The purpose of this technical note is to provide updated instructions for renaming and restarting the server on a UNIX host.

In the section “*Reorganizing a Database (UNIX)* in Appendix A” of the *Maintaining and Troubleshooting Guide* for HP Output Server, Version 3.2, replace steps 4a through 4f with the following instructions:

If the `dbreorg.pl` script fails or if the server does not start, delete the old database and create a new one.

NOTE: When you delete a JQM database, users (or applications) must resubmit all jobs that are pending in the queue. When you delete a DSM database, users (or applications) must resubmit all jobs that are in the processing state.

To delete the old database and create a new one, follow these steps:

a. Change to the parent directory of the database directory.

- For a DLM, type the following command:

```
cd installDir/var/jobdb/dm
```

This directory contains one subdirectory for each DLM server.

- For a JQM, type the following command:

```
cd installDir/var/jobdb/drb
```

This directory contains one subdirectory for each JQM server.

- For a DSM, type the following command:

```
cd installDir/var/jobdb/dsup
```

This directory contains one subdirectory for each DSM server.

b. To create an archive of the database, type the following command:

```
tar cf backupDirectory/server.tar ./server
```

For example, to archive the database for a JQM named *jqml* in a backup directory named *tmp*, type:

```
tar cf tmp/jqml.tar ./jqml
```

c. Compress the archive by entering the following command:

```
compress backupDirectory/server.tar
```

For example,

```
compress tmp/jqml.tar
```

d. Type the following command to rename the database directory:

```
mv server server.bak
```

For example,

```
mv jqml jqml.bak
```

e. Start the server by entering the following command:

```
start_server server
```

The *start_server* command automatically creates a new database directory and files for the server.

f. If the JQM or DSM is working correctly, delete the renamed database directory with the following command:

```
rm -rf ./server.bak
```

For example,

```
rm -rf ./jqml.bak
```